MERCURY MerCruiser service bulletin

No. 2000-2

☐ WARRANTY INFORMATION ☑ SERVICE INFORMATION

Bravo Three / BlackHawk Lower Unit Oil Seal Installation Tool Modification

Models

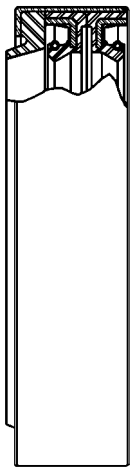
Bravo Three / BlackHawk

Situation

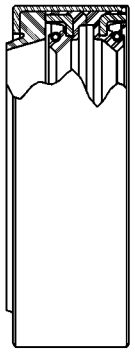
The oil seals in the outer propeller shaft and bearing carrier assembly have been changed from two single oil seals to a new one piece canister type seal. The new oil seal has a nylon shield that protrudes above the seal case.

The new style oil seal will require a modification to the present seal installation tool for a proper fit. All new Quicksilver tools should have the modification already machined into the tool.

The new one piece canister type oil seal houses the complete oil seal as a single unit (shown below) and uses one oil seal per shaft. The old style oil seals were installed in the carrier and the outer propeller shaft back to back and required two oil seals per shaft. When installing the new one piece seal, the white nylon shield must be installed outwards facing towards the installation tool.



Bravo III and BlackHawk (Outer Prop Shaft Oil Seal) 26-861694



Bravo III and BlackHawk (Inner Prop Shaft Oil Seal) 26-861695

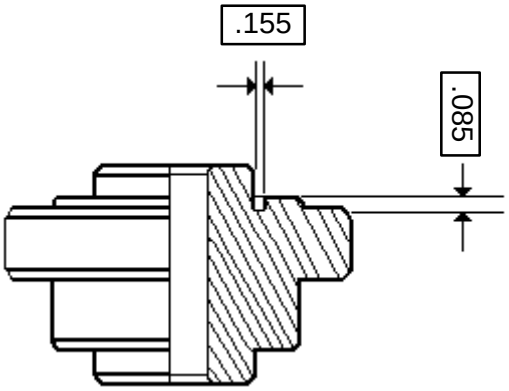
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TOOL MODIFICATION

The following drawings show the area of the seal tools to be modified, as well as the location and dimension of the modification. The original oil seal driver tools must receive this modification to install the new one piece canister type oils seals.

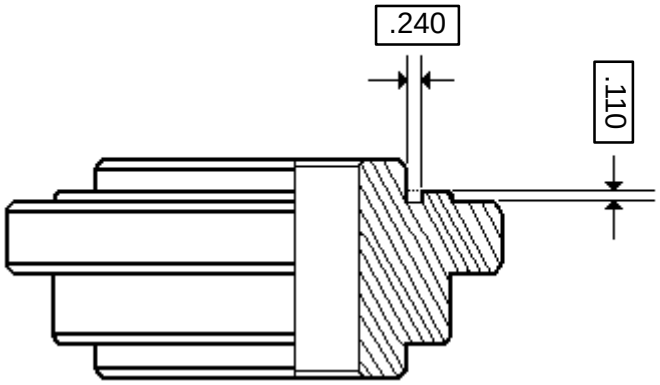
Outer propeller shaft seal installation tool 91-805358 must have a groove machined into it as illustrated in drawing **(a)** below. The groove must be cut .155 in. (3.93 mm) wide and .085 in. (2.16 mm) deep as shown.



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(a) 91-805358 Seal Installation Tool

Bearing carrier seal installation tool 91-805372 must have a groove machined into it as illustrated in drawing **(b)** below. The groove must be cut .240 in. (6.09 mm) wide and .110 in. (2.79 mm) deep as shown.



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(b) 91-805372 Seal Installation Tool

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